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Fig. 1 (Step 1)

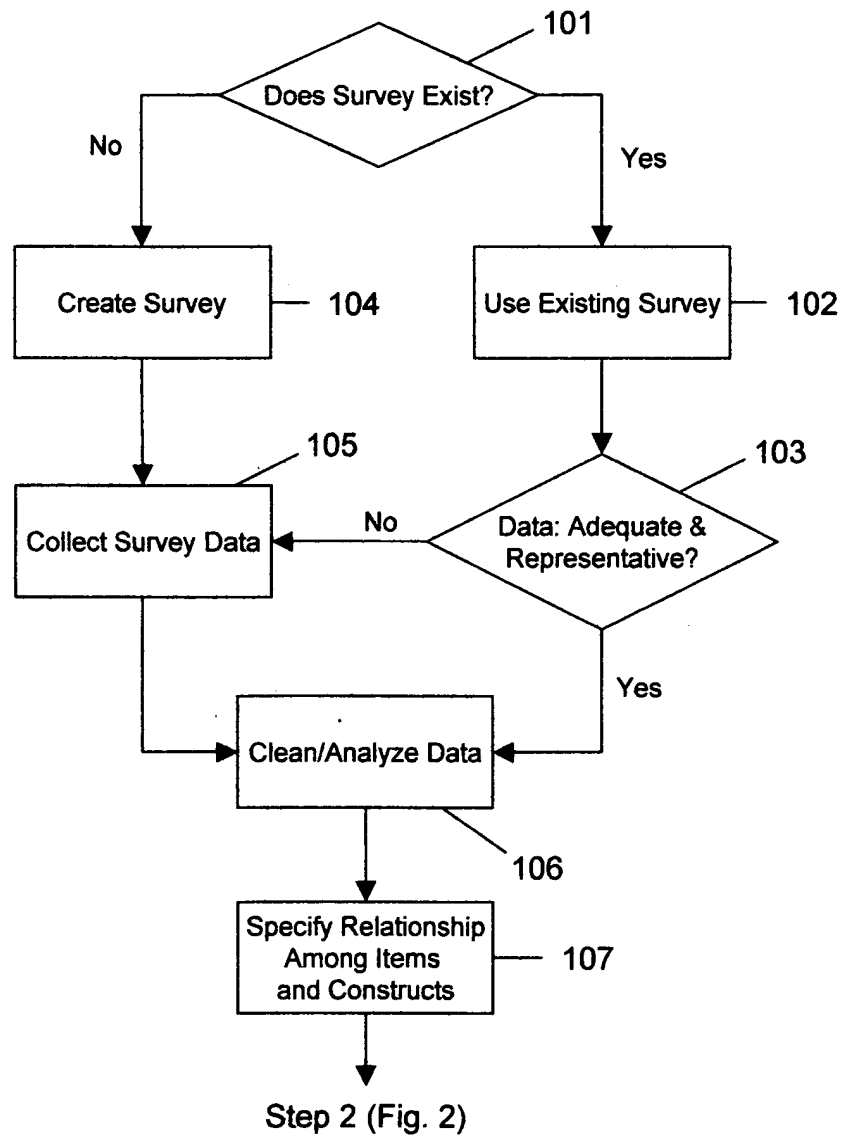


Fig. 2 (Step 2)

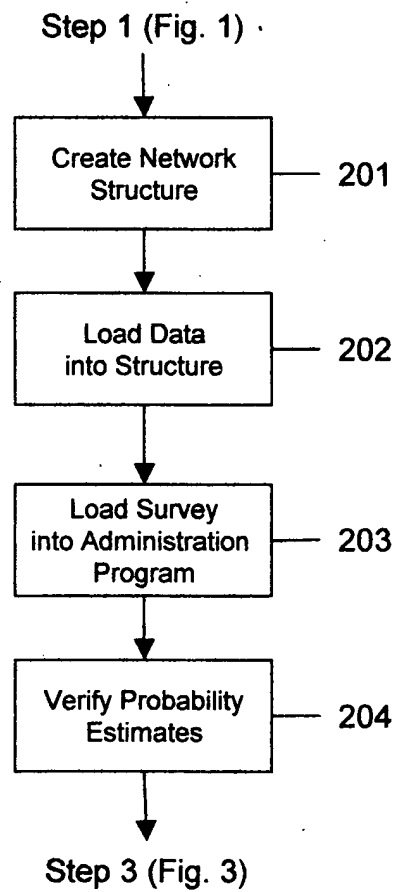


Fig. 3

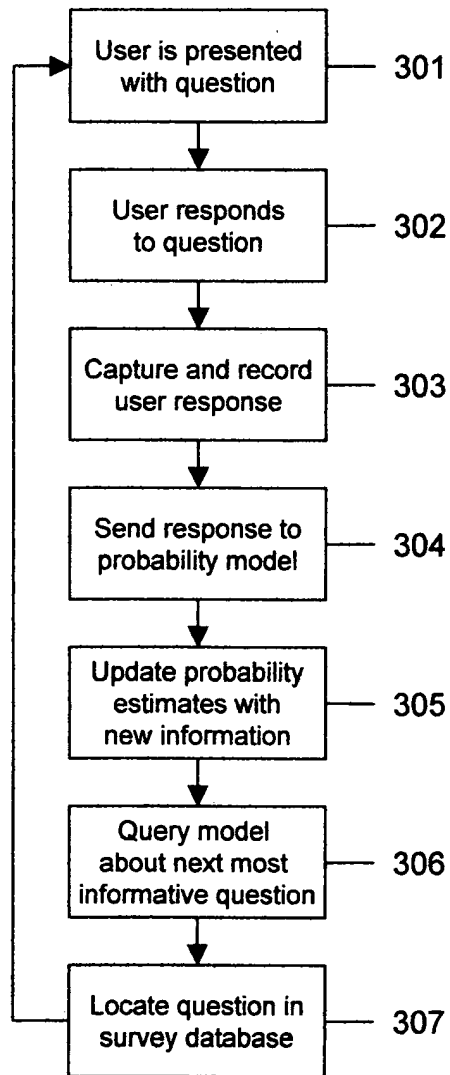
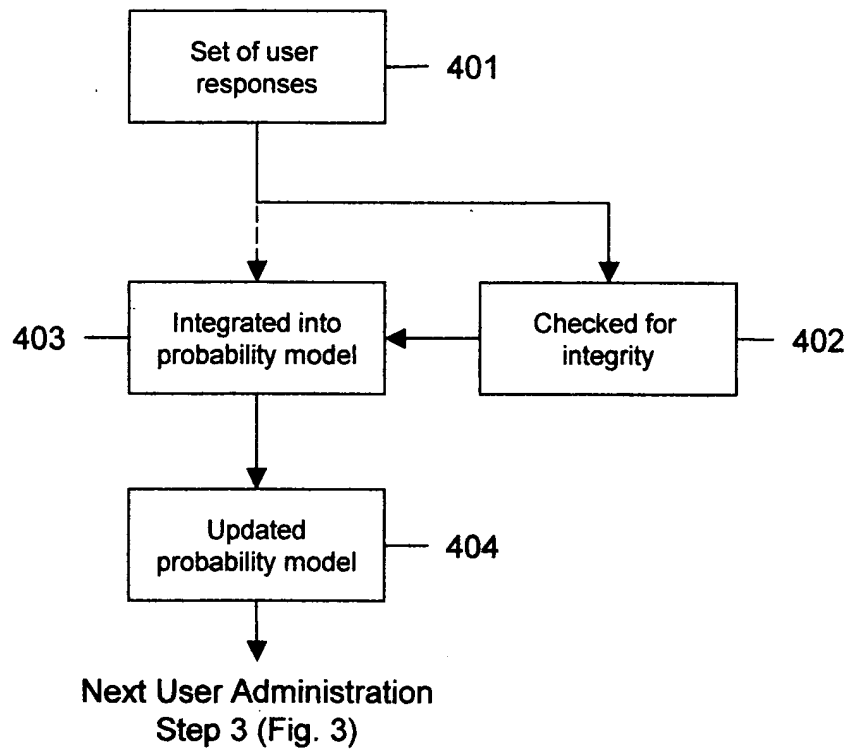


Fig. 4



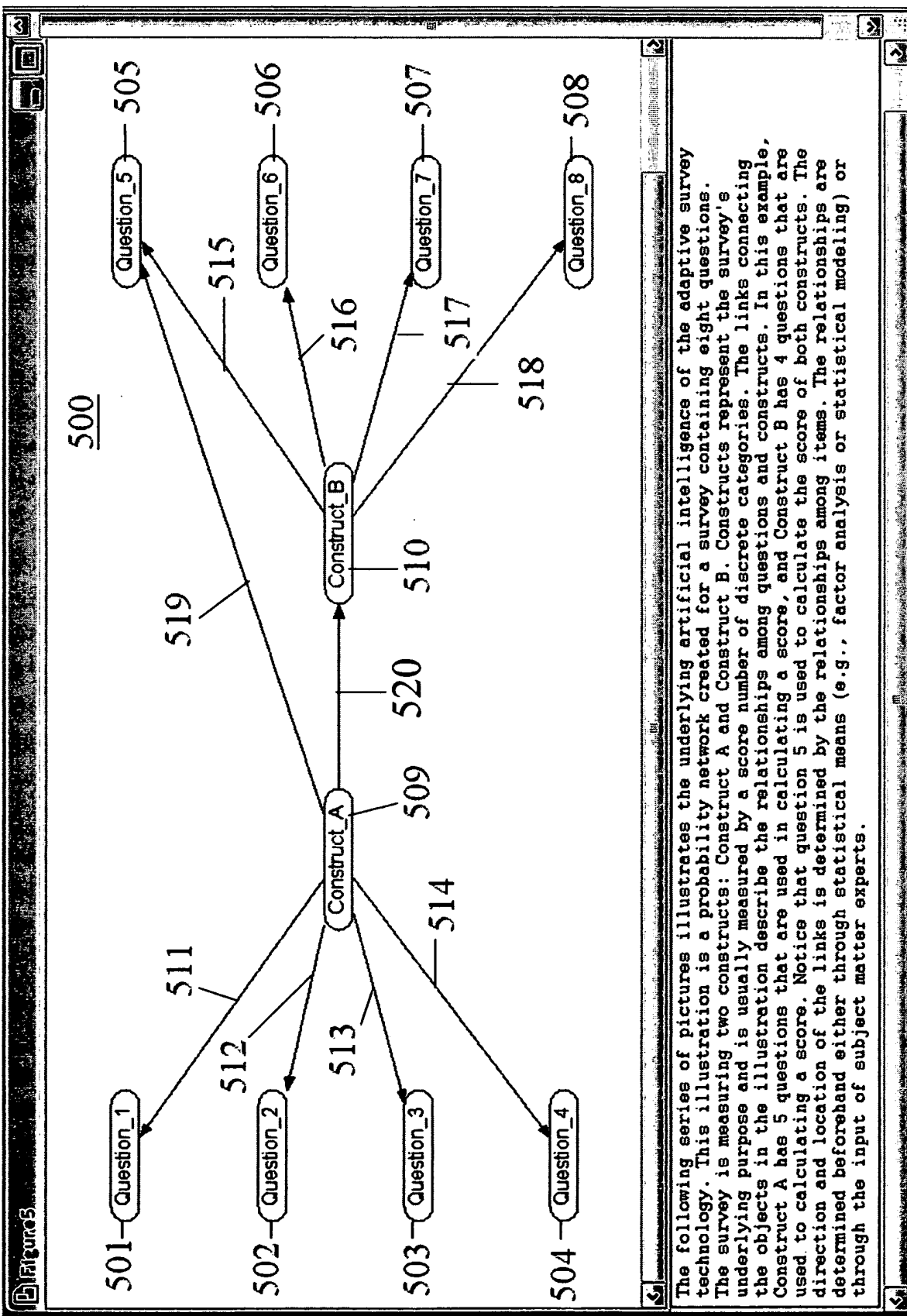


Fig. 5

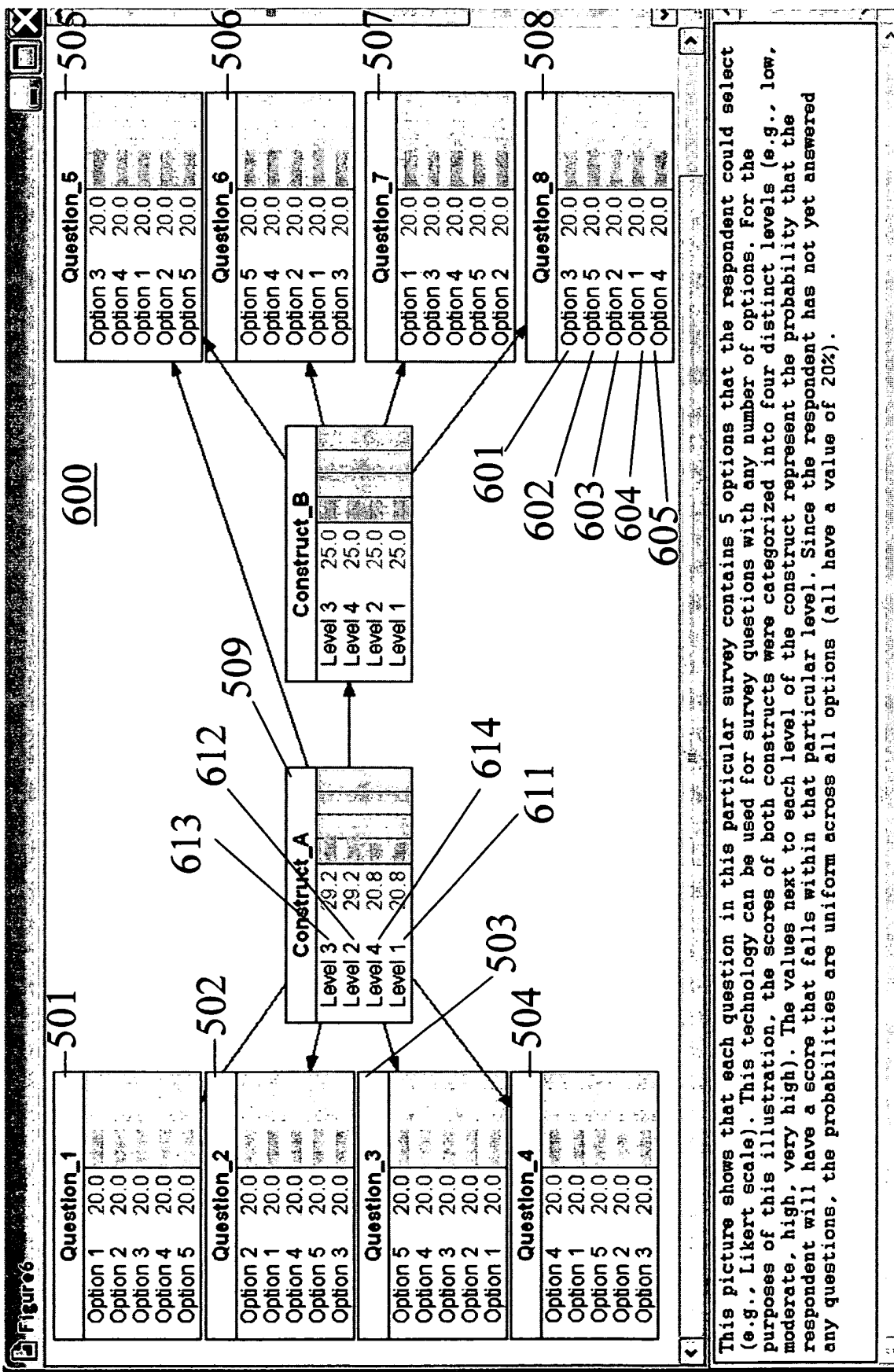


Fig. 6

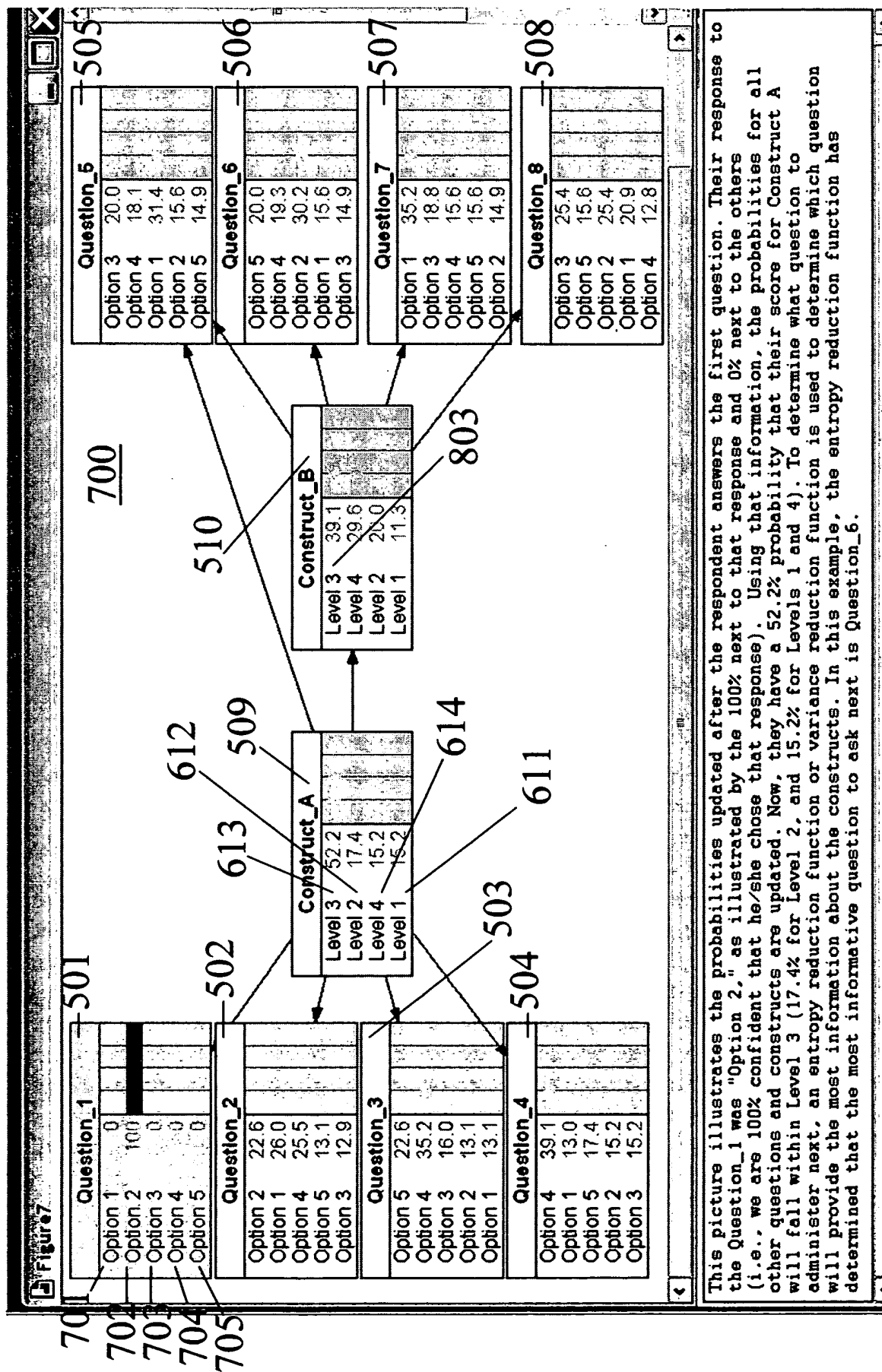


Fig. 7

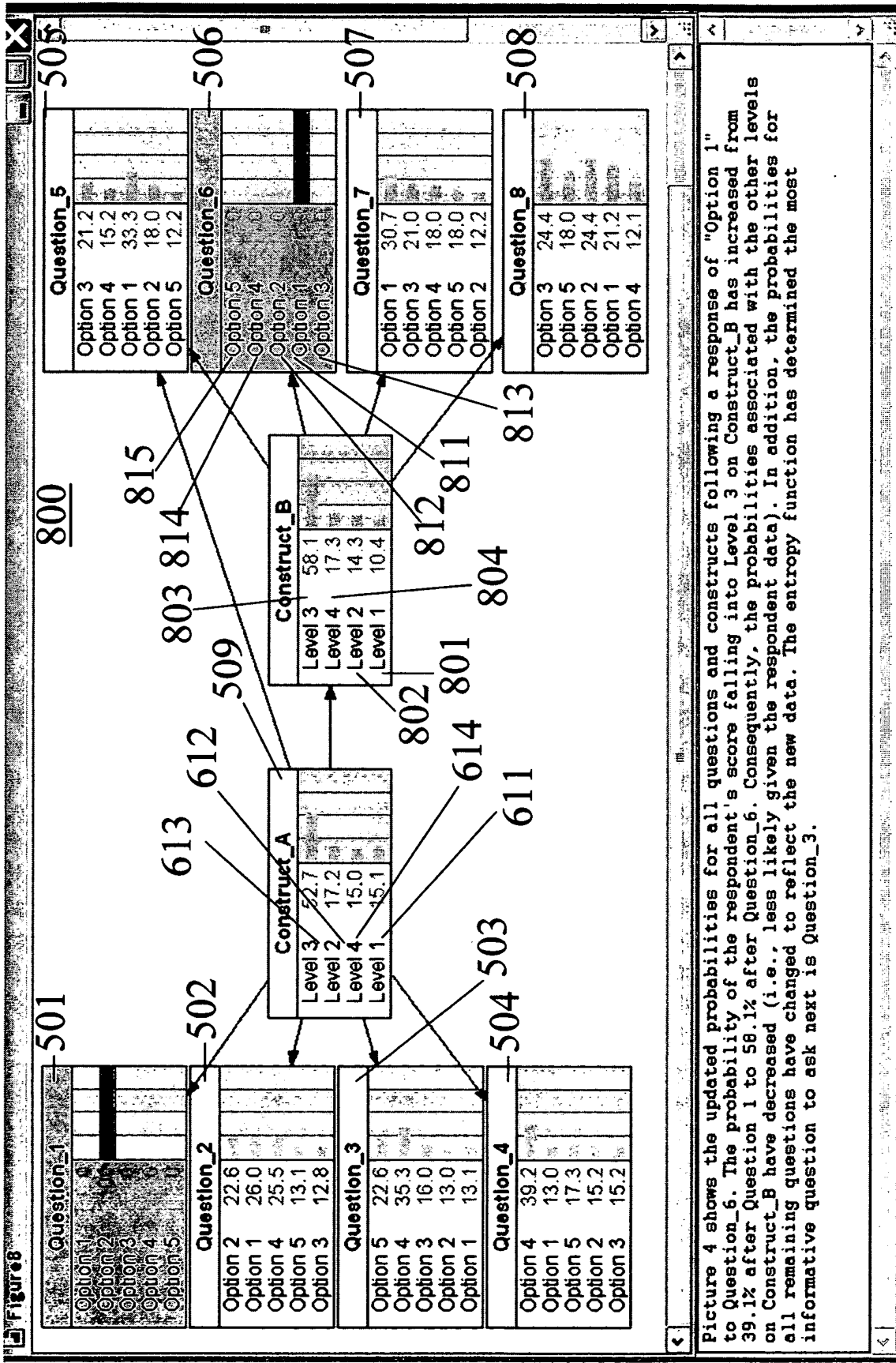
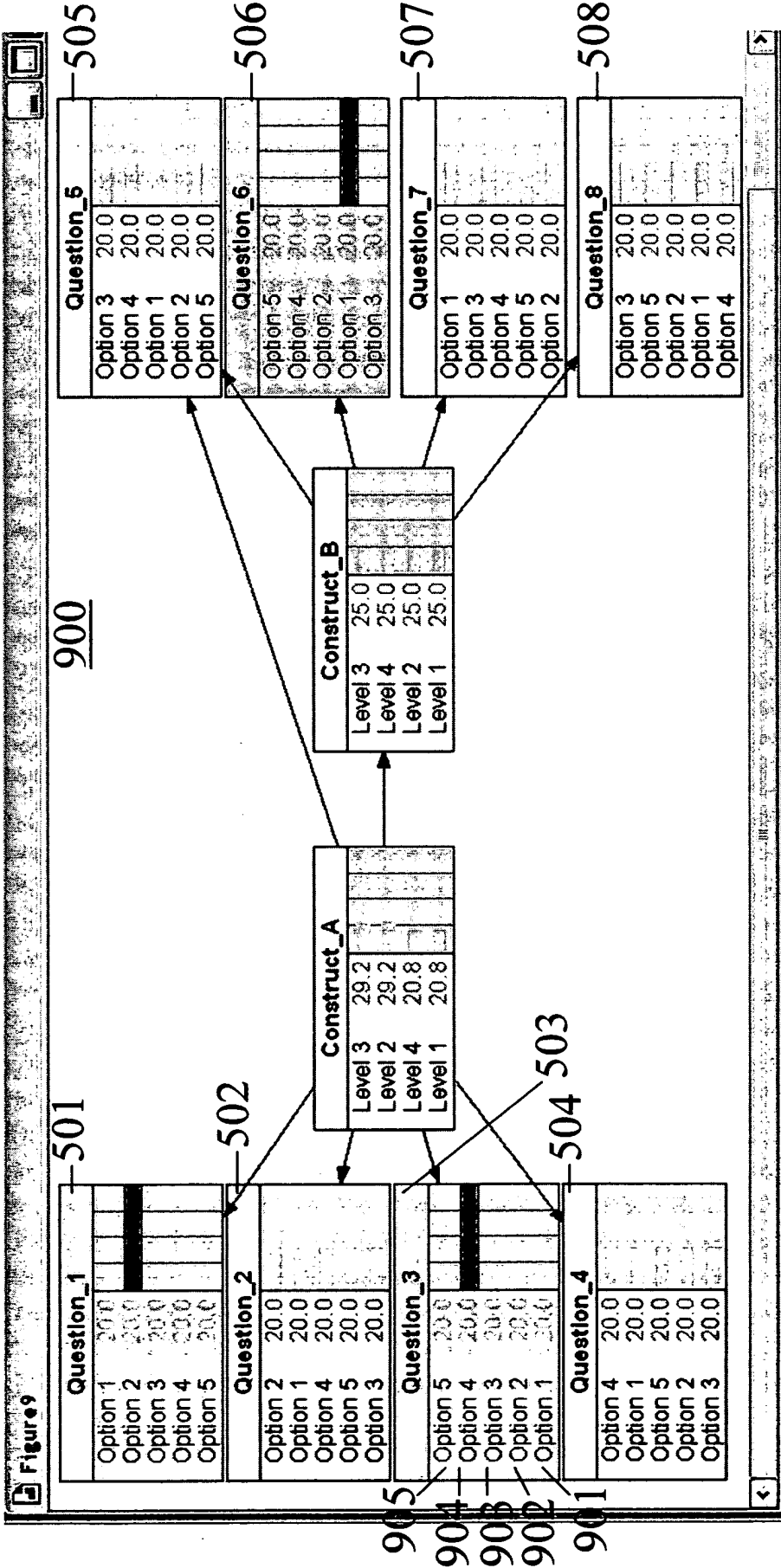


Fig. 8



This picture shows the updated probabilities for all questions and constructs following a response of "Option 4" to Question_3. The probability of the respondent's score falling into Level 3 on Construct_A has increased from 52.7% after Question_1 to 67.8% after Question_3. Consequently, the probabilities associated with the other levels on Construct_A have decreased (i.e., less likely given the respondent data). In addition, the probabilities for all remaining questions have changed to reflect the new data. The entropy function has determined the most informative question to ask next is Question_8. The process repeats and questions are administered until an acceptable level of certainty has been reached for each construct (i.e., one of the levels of each construct is greater than a predetermined threshold). Once the administration is finished, the data collected from this respondent is incorporated back into the probability network to improve the adaptive survey for future administrations. The continuous improvement of the adaptive survey represents is the fourth step of the artificial intelligence used in this invention.

Fig. 9